

Attorney Docket No. KAK-0023

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Shinichiro Haruyama, et al.

Application No.: 10/591,595

Confirmation No. 3386

Filed: July 20, 2007

Art Unit: 2874

For: COMMUNICATIONS SYSTEM AND  
LEAKY OPTICAL FIBER

Examiner: Not yet assigned

Via Facsimile: 571-273-3201 (8 pages, including cover)  
Attn: PCT Section, Customer Service  
Commissioner for Patents  
Alexandria, VA 22313

**REQUEST FOR CORRECTED FILING RECEIPT**

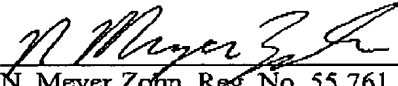
1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested. Also enclosed is a copy of the declaration showing the correct data.
2. There is an error with respect to the following, which is incorrectly entered.  

| <i>Error In</i> | <i>Correct data</i>                 |
|-----------------|-------------------------------------|
| 1. Applicant(s) | 1. Akihiro Shimura, Kanagawa, JAPAN |
3. The correction is not due to any error by applicant and no fee is due. However, if any costs are involved, please charge Deposit Account No. 18-0013.

Respectfully submitted,

Dated: September 5, 2007

Tel. No.: (202) 955-3750

  
N. Meyer Zohn, Reg. No. 55,761  
Rader, Fishman & Grauer, PLLC  
1233 20th Street, N.W., Suite 501  
Washington, DC 20036  
Customer No.: 23353



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPL NO.   | FILING OR 371(c)<br>DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | TOT CLMS | IND CLMS |
|------------|--------------------------|----------|---------------|-----------------|----------|----------|
| 10/591,595 | 07/20/2007               | 2874     | 695           | KAK-0023        | 6        | 2        |

CONFIRMATION NO. 3386

23353  
RADER FISHMAN & GRAUER PLLC  
LION BUILDING  
1233 20TH STREET N.W., SUITE 501  
WASHINGTON, DC 20036

## FILING RECEIPT

\*OC000000025540155\*

Date Mailed: 08/28/2007

Receipt is acknowledged of this nonprovisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Shinichiro Haruyama, Kanagawa, JAPAN;  
Yasuo Sugawara, Kanagawa, JAPAN;  
Masao Nakagawa, Kanagawa, JAPAN;  
Yasuhiro Koike, Kanagawa, JAPAN;  
Takaaki Ishigure, Kanagawa, JAPAN;  
Hiromasa Suzuki, Kanagawa, JAPAN;  
Akihiko Shimura, Kanagawa, JAPAN;

→ Akihiro Shimura.

## Assignment For Published Patent Application

Nakagawa Laboratories, Inc., Tokyo, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number **23353**.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP05/03769 03/04/2005

## Foreign Applications

JAPAN 2004-060562 03/04/2004  
JAPAN 2004-290184 10/01/2004

If Required, Foreign Filing License Granted: 08/23/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/591,595**

Projected Publication Date: 11/29/2007

Non-Publication Request: No

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

**Title**

Communications System and Leaky Optical Fiber

**Preliminary Class**

385

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

---

**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

PTO/SB/01 (07-06)  
Approved for use through 01/31/2007. OMB 0851-0092  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |  |                          |                        |
|--|--|--------------------------|------------------------|
| <b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b><br><b>(37 CFR 1.63)</b>  |  | Attorney Docket Number   | KAK-0023               |
|  |  | First Named Inventor     | Shinichiro Haruyama    |
|  |  | <i>COMPLETE IF KNOWN</i> |                        |
|  |  | Application Number       | 10/591,595-Conf. #3386 |
|  |  | Filing Date              | September 5, 2006      |
| <input type="checkbox"/> Declaration Submitted With Initial Filing    OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) |  | Art Unit                 | N/A                    |
|  |  | Examiner Name            | Not Yet Assigned       |

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

COMMUNICATIONS SYSTEM AND LEAKY OPTICAL FIBER

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR  
☒ was filed on (MM/DD/YYYY) 03/04/2005 as United States Application Number or PCT International Application Number PCT/JP2005/003769 and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                                     |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|-------------------------------------|
|                                     |         |                                  |                          | YES                      | NO                                  |
| 2004-060562                         | JAPAN   | 03/04/2004                       | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2004-290184                         | JAPAN   | 10/01/2004                       | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

PTO/SB/01 (07-06)

Approved for use through 01/31/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| DECLARATION — Utility or Design Patent Application  |  |  |                        |  |
|---|--|--|------------------------|--|
| I hereby appoint practitioners associated with the Customer Number 23353. Direct all correspondence to  |  | <input checked="" type="checkbox"/> The address associated with Customer Number: | 23353                  | OR <input type="checkbox"/> Correspondence address below |
| Name <b>RADER, FISMAN &amp; GRAUER PLLC</b>   |  |  |                        |  |
| Address<br>1233 20th Street, N.W.<br>Suite 501  |  |  |                        |  |
| City  | Washington   | State  | DC                     | Zip 20036  |
| Country   | US   | Telephone  | (202) 955-3750         |  |
| Email   |  |  |                        |  |
| <p><b>WARNING:</b></p> <p>Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> |  |  |                        |  |
| NAME OF SOLE OR FIRST INVENTOR:   |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor    |                        |  |
| Given Name (first and middle (if any))  | Shinichiro   |  | Family Name or Surname | Haruyama   |
| Inventor's Signature  | <i>Shinichiro Haruyama</i>   |  | Date                   | 7/6/2007   |
| Residence: City   | Kanagawa   | State  | Country                | Citizenship  |
|   |  |  | Japan                  | Japan  |
| Mailing Address:  | 3-27-43 Numama<br>Zushi-shi  |  |                        |  |
| City  | Kanagawa   | State  | Zip                    | Country  |
|   |  |  | 249-0004               | Japan  |
| NAME OF SECOND INVENTOR:  |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor    |                        |  |
| Given Name (first and middle (if any))  | Yasuo  |  | Family Name or Surname | Sugawara   |
| Inventor's Signature  | <i>Yasuo Sugawara</i>  |  | Date                   | 7/5/2007   |
| Residence: City   | Kanagawa   | State  | Country                | Citizenship  |
|   |  |  | Japan                  | Japan  |
| Mailing Address:  | Room 603, Tsunashima Diamond Palace, 3-2-3, Takatahigashi<br>Kohoku-ku, Yokohama-shi |  |                        |  |
| City  | Kanagawa   | State  | Zip                    | Country  |
|   |  |  | 223-0065               | Japan  |
| <input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>2</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.  |  |  |                        |  |

PTO/SB/02A (09-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| DECLARATION  |           | ADDITIONAL INVENTOR(S)<br>Supplemental Sheet                                  |             |
|--|-----------|---|-------------|
|  |           | Page 1 of 2   |             |
| Name of Additional Joint Inventor, if any:   |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))   |           | Family Name or Surname  |             |
| Masao  |           | Nakagawa  |             |
| Inventor's Signature   | Date      |   |             |
| <i>Masao Nakagawa</i>  | 7/6/2007  |   |             |
| Residence: City  | State     | Country   | Citizenship |
| Kanagawa   |           | Japan   | Japan       |
| Mailing Address: 3-38-17 Utsukushigaoka Nishi<br>Aoba-ku, Yokohama-shi                           |           |   |             |
| City   | State     | Zip   | Country     |
| Kanagawa   |           | 225-0001  | Japan       |
| Name of Additional Joint Inventor, if any:   |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))   |           | Family Name or Surname  |             |
| Yasuhiro   |           | Koike   |             |
| Inventor's Signature   | Date      |   |             |
| <i>Yasuhiro Koike</i>  | 7/6/2007  |   |             |
| Residence: City  | State     | Country   | Citizenship |
| Kanagawa   |           | Japan   | Japan       |
| Mailing Address: 534-23, Ichigaocho, Aoba-ku<br>Yokohama-shi                                     |           |   |             |
| City   | State     | Zip   | Country     |
| Kanagawa   |           | 225-0024  | Japan       |
| Name of Additional Joint Inventor, if any:   |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))   |           | Family Name or Surname  |             |
| Takaaki  |           | Ishiguro  |             |
| Inventor's Signature   | Date      |   |             |
| <i>Takaaki Ishiguro</i>  | 7/5/2007  |   |             |
| Residence: City  | State     | Country   | Citizenship |
| Kanagawa   |           | Japan   | Japan       |
| Mailing Address: Room 511, Royal Height Fujigaoka<br>2-29-11, Fujigaoka, Aoba-ku<br>Yokohama-shi |           |   |             |
| City   | State     | Zip   | Country     |
| Kanagawa   |           | 227-0043  | Japan       |
| Name of Additional Joint Inventor, if any:   |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))   |           | Family Name or Surname  |             |
| Hiromasa   |           | Suzuki  |             |
| Inventor's Signature   | Date      |   |             |
| <i>Hiromasa Suzuki</i>   | 7/10/2007 |   |             |
| Residence: City  | State     | Country   | Citizenship |
| Kanagawa   |           | Japan   | Japan       |
| Mailing Address: 3-27-34, Goten<br>Hiratsuka-shi   |           |   |             |
| City   | State     | Zip   | Country     |
| Kanagawa   |           | 254-0061  | Japan       |

PTO/SB/02A (09-04)  
Approved for use through 07/31/2008. OMB 0851-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| DECLARATION   |           | ADDITIONAL INVENTOR(S)<br>Supplemental Sheet                                  |             |
|---|-----------|---|-------------|
|   |           | Page 2 of 2   |             |
| Name of Additional Joint Inventor, if any:                                |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))                                    |           | Family Name or Surname  |             |
| Akihiro   |           | Shimura   |             |
| Inventor's Signature  | Date      |   |             |
| <i>Akihiro Shimura</i>  | 7/10/2007 |   |             |
| Residence: City   | State     | Country   | Citizenship |
| Kanagawa  |           | Japan   | Japan       |
| Mailing Address:  |           |   |             |
| Room 408, Masion de Verite<br>1922-3, Kizuki, Nakahara-ku<br>Kawasaki-shi |           |   |             |
| City  | State     | Zip   | Country     |
| Kanagawa  |           | 211-0025  | Japan       |
| Name of Additional Joint Inventor, if any:                                |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))                                    |           | Family Name or Surname  |             |
|   |           |   |             |
| Inventor's Signature  | Date      |   |             |
|   |           |   |             |
| Residence: City   | State     | Country   | Citizenship |
|   |           |   |             |
| Mailing Address:  |           |   |             |
|   |           |   |             |
| City  | State     | Zip   | Country     |
|   |           |   |             |
| Name of Additional Joint Inventor, if any:                                |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))                                    |           | Family Name or Surname  |             |
|   |           |   |             |
| Inventor's Signature  | Date      |   |             |
|   |           |   |             |
| Residence: City   | State     | Country   | Citizenship |
|   |           |   |             |
| Mailing Address:  |           |   |             |
|   |           |   |             |
| City  | State     | Zip   | Country     |
|   |           |   |             |
| Name of Additional Joint Inventor, if any:                                |           | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name (first and middle (if any))                                    |           | Family Name or Surname  |             |
|   |           |   |             |
| Inventor's Signature  | Date      |   |             |
|   |           |   |             |
| Residence: City   | State     | Country   | Citizenship |
|   |           |   |             |
| Mailing Address:  |           |   |             |
|   |           |   |             |
| City  | State     | Zip   | Country     |
|   |           |   |             |